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**MANUFACTURE OF COMPOSITE MATERIAL OF THERMOPLASTIC RESIN-CLAY MINERAL**

Patent Number: JP9225991  
Publication date: 1997-09-02  
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Requested Patent: ☐ JP9225991  
Application Number: JP19960039297 19960227  
Priority Number(s):  
IPC Classification: B29C47/60; B29B7/46; C08J3/20; C08K3/00; C08L77/00; C08L101/00  
EC Classification:  
Equivalents:

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**Abstract**

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**PROBLEM TO BE SOLVED:** To manufacture a composite material of thermoplastic resin-clay mineral with good mechanical properties by an economical and simple method.

**SOLUTION:** The manufacture is such that (A) 100 pts.wt. of thermoplastic resin, (B) 0.05-50 pts.wt. of clay mineral with an onium ion carrying organic substance inserted in layers, and (C) dispersion medium of 0.1-5000 pts.wt. of dispersion medium relative to 100 pts.wt. of (B) component are melt-kneaded by an extruder having a ratio of flight width/pitch in the screw of a supplier in the range of 0.1-0.49.

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